## ISSUE SLIP STAPLE AREA (for additional cross references)

| DATE     | .ON C! | INITIALS | POSITION                  |  |  |  |  |  |
|----------|--------|----------|---------------------------|--|--|--|--|--|
| 14-19-01 |        | 982      | FEE DETERMINATION         |  |  |  |  |  |
| 5/10/01  | 21     | 40       | O.I.P.E. CLASSIFIER       |  |  |  |  |  |
| 06.110   | 976    | E.T      | FORMALITY REVIEW          |  |  |  |  |  |
| 0-05-01  | JC 58D | A-M      | RESPONSE FORMALITY REVIEW |  |  |  |  |  |
| 1        | JC 58D | A-M      | RESPONSE FORMALITY REVIEW |  |  |  |  |  |

## **INDEX OF CLAIMS**

| • | Rejected                   | N Non-ele  | cted |
|---|----------------------------|------------|------|
| = | Allowed                    | IInterfer  | ence |
| _ | (Through numeral) Canceled | A Appeal   |      |
| ÷ | Restricted                 | O Objected | d    |

| R.           |       |           |              |           |              |                 |          |              |          |          |              |              |   |          |             |          |          |          |             |          |              |          |          |          |          |     |                  |            |         |              |              |          |          |          |                 |          |          |
|--------------|-------|-----------|--------------|-----------|--------------|-----------------|----------|--------------|----------|----------|--------------|--------------|---|----------|-------------|----------|----------|----------|-------------|----------|--------------|----------|----------|----------|----------|-----|------------------|------------|---------|--------------|--------------|----------|----------|----------|-----------------|----------|----------|
| Ī            | Clair | ո         | 4            | 77        |              | Date Claim Date |          |              |          |          |              |              |   |          |             |          |          |          | Claim Date  |          |              |          |          |          |          |     |                  |            |         |              |              |          |          |          |                 |          |          |
| -            | Final | - Onginal |              | 10        |              |                 |          |              |          |          |              |              |   | Final    | 19 Original |          |          |          |             |          |              |          |          |          |          |     |                  | Original   |         | _            |              |          |          | ,        |                 |          |          |
| F            |       | 2         | ₹            | Ĭ         | ┢            | ✝               | H        | ╁            | ╁        | †        | +-           | +-           | 1 |          | 52          |          |          |          |             |          |              |          |          |          |          |     |                  | 102        | $\top$  |              |              |          |          | T        |                 |          |          |
|              |       | 3         | Ι            | $\coprod$ |              |                 |          |              |          |          |              |              | ] |          | 53          |          |          |          |             |          |              |          |          |          |          |     | _                | 103        |         |              | L            |          |          |          |                 |          | L        |
| -            | _     | 4         | 4            | Н         | L            | ╀               | ┡        | ╀            | ╀        | ╀        | ┡            | ╀            | - | $\vdash$ | 54<br>55    | L        |          | _        |             |          |              |          |          | Н        | _        |     |                  | 104<br>105 | -       | +            | +            | +-       | ╀        | -        | ⊢               | ┞        | ⊢        |
| ┝            | _     | 5<br>6    | +            | Н         | H            | ┝               | ╀        | ╀            | ╁┈       | ╁        | -            | ╀            | ┨ | $\vdash$ | 56          | $\vdash$ | H        |          | -           | _        | $\vdash$     |          | -        |          | {        |     | _                | 106        | +       | ╬            | +            | ╁        | -        | ╁        | ╁               | ┝        | ╁        |
| $\vdash$     |       | 岃         | +            | Н         |              | H               | +        | +            | +        | t        | +            | $\vdash$     | i | -        | 57          | H        |          |          |             | -        | $\vdash$     | H        | H        | H        | $\dashv$ |     | _                | 107        | +       | +            | +            | +-       | 1        |          | $\vdash$        | ┢        | ╁        |
| r            | _     | 8         | †            | IJ        | 1            | T               | Τ        | †            | $\top$   | †        | +-           | 1            | 1 |          | 58          |          |          |          |             |          |              | Г        |          | П        |          |     | $\neg$           | 108        | $\top$  | T            | T            | Ť        | Τ        |          | <u> </u>        |          | ┖        |
|              |       | 9         | 1            | 8         |              |                 |          |              |          |          |              |              | ] |          | 59          |          |          |          |             |          |              |          |          |          |          |     | _                | 109        |         |              | I            |          |          | П        |                 |          | L        |
| _            |       | 0         | 4            | סו        | Ļ            | ↓_              | 1        | ╙            | ot       | ╙        | ╀            | ╙            | 1 | L        | 60          |          |          |          |             |          |              |          |          | Ц        |          |     |                  | 110        |         | $\bot$       | $\perp$      | ╄-       | _        | _        | ▙               | <u> </u> | ╀        |
| $\vdash$     | (1)   | 1         | -            | 1         | 1-           | ـ               | ╁        | ╄            | ╀        | ╀        | ╀            | ŀ            | - | $\vdash$ | 61<br>62    |          |          |          | -           | <u> </u> | L            | -        |          |          |          |     |                  | 111<br>112 |         | +            | +-           | +        | ┝        | -        | ┢               | ├        | ⊢        |
| $\vdash$     |       | 3         | +            | 片         | ⊣            | ┝               | ╁        | +            | ╀        | ╁        | ╁╴           | ├            | 1 | -        | 63          | _        | _        | -        |             | -        |              | $\vdash$ |          | Н        |          |     | $\rightarrow$    | 113        | +       | +            | ╁╴           | ╁╌       | ╁        | +-       | ┼─              | $\vdash$ | ╁        |
| $\vdash$     | 1     | _         | 1            | H         | H            | t               | T        | T            | t        | t        | t            | $\vdash$     | 1 |          | 64          |          |          |          | <del></del> | _        | -            |          |          | H        |          |     |                  | 114        | _       | t            | t            |          |          | T        | T               | ┢        | t        |
| r            | 1     |           | 7            | IT        | Г            | 1               | 1        | T            | ✝        | T        | T            |              | 1 |          | 65          |          |          |          |             |          |              |          |          |          |          |     |                  | 115        |         | T            | T            |          |          |          |                 |          |          |
|              | 1     |           |              | $\prod$   |              |                 |          |              | L        | L        | L            |              | ] |          | 66          |          |          |          |             |          |              |          |          |          |          |     |                  | 116        | $\perp$ | $\perp$      | $\perp$      | 1_       |          |          | L               | L        |          |
| $\downarrow$ | 1     |           | 4            | #         | _            | _               | Ļ        | ┞-           | <u> </u> | ╄        | Ļ            | ╀            | - | -        | 67          | _        |          |          |             |          | _            |          |          | Н        |          |     | _                | 117        | -       | +            | +            | ┿-       | -        | -        | <del> </del> —  | L        | ⊬        |
| H            | (1    | <u>و</u>  | ┥            | 1         | _            | ┝               | ╀        | $\vdash$     | ╀        | ╀        | ╀            | ╀            | - | $\vdash$ | 68<br>69    | $\vdash$ | <u> </u> | -        | -           | -        | <del> </del> |          | H        |          |          |     | $\rightarrow$    | 118<br>119 | +       | +            | +            | ╁        | ┝        | ┢        | ⊢               | -        | ┝        |
| H            | 2     | -         | ┪            | ╫         | ┢            | ┝               | ╁        | ╁            | ┢        | ╁        | ╁            | $\vdash$     | 1 | $\vdash$ | 70          | $\vdash$ | -        | -        |             | -        | -            | -        | $\vdash$ | -        | $\dashv$ |     | $\rightarrow$    | 120        | +       | ╁            | +            | ╁        | ┢        | $\vdash$ | ╁               | $\vdash$ | ╁╴       |
| H            | 2     | _         | +            | ₩-        | ├            | -               | ╁        | ╁            | ╁        | $\vdash$ | ╁            | $\vdash$     | 1 |          | 71          | -        | _        | $\vdash$ |             | -        | $\vdash$     |          |          | $\vdash$ | $\dashv$ |     |                  | 121        | +       | +            | +            | ╁╌       | ┢        | -        | ╁╴              | $\vdash$ | $\vdash$ |
|              | 2     |           | ┧            | 1         | <del> </del> | H               | t        | t            | 1        | H        | H            | H            | 1 | $\vdash$ | 72          | H        |          | ┢        | _           |          | ┢            | _        | _        | Н        | $\dashv$ |     |                  | 122        | +-      | $\dagger$    | +            | T        | ╁        |          | $\vdash$        | $\vdash$ | T        |
| r            | 2     | 3         | 1            | 0         |              |                 |          | T            |          | T        | T            |              | 1 |          | 73          |          |          |          |             |          |              |          |          |          |          | l   |                  | 123        |         |              |              |          |          |          |                 |          |          |
|              | 6     |           | Ţ            | V         |              |                 |          |              |          |          | Ŀ            |              | ] |          | 74          |          |          |          |             | L        | L            | 1        | 1        |          |          |     |                  | 124        |         |              | ļ.,          | L        | L        |          |                 |          |          |
| L            | 2     |           | 4            | ~         | L            |                 | ▙        | L            | ₽        | Ļ        | _            | L            | Į | $\vdash$ | 75          |          | ļ        |          | _           | <u> </u> | <u>_</u>     |          | _        | $\sqcup$ | _        |     | -                | 125        | $\perp$ | $\downarrow$ | $\perp$      | $\perp$  | L        | _        | L               | L        | L        |
| $\vdash$     | 2     | <u> </u>  | +            | V         | <u> </u>     | L               | ╀        | L            | ┡        | $\vdash$ | ╀            | L            | ļ | -        | 76<br>77    | H        | _        | L        |             | _        | -            |          |          | Н        | 4        | - } |                  | 126<br>127 | +       | +            | ╁            | ╀        | -        | ⊢        | ├               | -        | ┝        |
| $\vdash$     | 2     | 4         | ╁            | = 1       | H            |                 | ├        | ╁            | ┢        | -        | ╀            | $\vdash$     | 1 | $\vdash$ | 78          | _        | H        | -        | -           | _        |              |          | H        | $\dashv$ | $\dashv$ | ł   |                  | 128        | +       | +            | +            | +        |          | ╁-       |                 | -        | H        |
| $\vdash$     | 2     | 9         | +            | $\sqrt{}$ | H            | $\vdash$        | H        | H            | ╁        | H        | H            | $\vdash$     | 1 | 1        | 79          |          |          |          | -           | -        | -            |          | Н        | $\dashv$ | -        | ŀ   | $\rightarrow$    | 129        | +       | $\dagger$    | ╁            | $\vdash$ | t        | $t^-$    |                 | T        | ┢        |
|              | 3     | ó         | Ť            | Ĭ         |              |                 |          |              |          |          |              |              | 1 |          | 80          |          | _        |          |             |          |              |          |          |          |          | Ì   | $\exists$        | 130        | $\perp$ | T            |              |          |          |          |                 |          |          |
|              | 3     | _         | I            | I,        |              |                 |          |              |          |          |              |              | ] |          | 81          |          |          |          |             |          |              |          |          | Ц        |          |     |                  | 131        |         |              |              |          |          |          |                 |          |          |
| L            | 3     |           | ≯            | V         |              | ļ.,             | _        | L            | L        | _        | ┡            |              |   | <u> </u> | 82          | _        | _        |          |             |          |              |          | $\dashv$ | Н        | _        | ŀ   |                  | 32         | _       | $\perp$      | ╀            | ╄        | ļ        | <u> </u> | $\vdash$        | $\vdash$ | ┞        |
| -            | 3     | _         | +            | -         |              |                 | _        | ⊢            | <u> </u> |          | ⊢            | _            | { | -        | 83<br>84    | _        | H        | $\vdash$ | Н           |          | -            | -        | $\dashv$ | $\vdash$ | $\dashv$ | ŀ   |                  | 133<br>134 | +       | +            | +            | ╀        |          | -        | H               | H        | ⊢        |
| $\vdash$     | 3     | _         | +            |           | _            | ┝               |          | ┢            | ┢        | ┢        | $\vdash$     | -            | 1 | $\vdash$ | 85          |          | _        | _        | Н           | _        |              | -        | $\dashv$ | $\dashv$ | $\dashv$ | }   |                  | 135        | +       | +            | +            | H        |          | ⊢        | $\vdash$        | -        | -        |
| $\vdash$     | 30    |           | $\dagger$    |           | _            | H               | $\vdash$ | H            | H        |          | $\vdash$     | Н            |   |          | 86          |          | _        | _        |             |          |              |          |          | $\dashv$ | ┨        | Ì   |                  | 36         | $\top$  | T            | t            |          | T        |          |                 |          | <u> </u> |
|              | 13    | 7         | Ī            |           |              |                 |          |              |          |          |              |              |   |          | 87          |          |          |          |             |          |              |          |          |          |          | Ì   |                  | 37         |         | L            |              | L        |          |          |                 |          |          |
|              | 38    | -         | $\mathbf{I}$ |           |              |                 |          |              |          |          | L            |              |   |          | 88          |          |          |          |             |          |              |          |          | $\Box$   | $\Box$   |     | $\rightarrow$    | 38         |         |              | $oxed{oxed}$ |          |          |          |                 |          |          |
| $\vdash$     | 39    | -         | 4            | _         |              |                 | _        |              | _        | L        | L            |              |   |          | 89          |          |          | Щ        |             |          |              |          | _        | $\dashv$ | 4        | -   |                  | 39         |         | _            | ╄            | <u> </u> | _        |          | $\square$       |          | <u> </u> |
| $\vdash$     | 41    |           | 1            | _         |              |                 | _        |              |          | L        | L            | _            |   | $\vdash$ | 90          |          |          |          |             |          |              |          | _        | $\dashv$ | 4        | }   |                  | 40         | +       | +            | ╀            | ╀        | _        | <u> </u> | Н               | Ш        | -        |
| $\vdash$     | 4     |           | _            |           |              | _               |          | _            | _        | L        | H            |              |   | -        | 91<br>92    | _        | _        | _        | $\vdash$    |          | _            |          |          | $\dashv$ |          | ŀ   |                  | 141        | +       | ╀            | ╀            | ╄        |          | -        | H               | $\vdash$ | ⊢        |
| -            | 42    |           | -            | -         | H            | -               | -        | <del> </del> | -        | -        | -            | <del> </del> |   | -        | 93          | -        | $\vdash$ | Н        | Н           | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -   |                  | 43         | +       | +-           | ╁            | ┼-       | -        | $\vdash$ | Н               | Н        | $\vdash$ |
| $\vdash$     | 4     | _         | ᅥ            | •         | H            |                 | $\vdash$ | <del> </del> | $\vdash$ | -        | +            | -            |   | $\vdash$ | 94          | -        | $\dashv$ | H        | Н           | $\dashv$ | $\dashv$     |          |          | $\dashv$ | $\dashv$ | ŀ   |                  | 44         | +       | +            | $\dagger$    | ╁        | $\vdash$ |          | $\vdash$        | Н        | Н        |
|              | 4     |           |              | Н         |              | <u> </u>        | Г        | T            | Г        | $\vdash$ | T            | Г            | l |          | 95          |          |          |          |             |          |              |          |          | ╛        | 1        | ı   |                  | 45         | 1       | T            | İ            |          |          | L        | П               |          |          |
|              | 4     | 6         |              |           |              |                 |          |              |          |          |              |              | İ |          | 96          |          |          |          |             |          |              |          |          |          |          | [   |                  | 46         | I       |              |              |          |          |          |                 |          |          |
| L            | 47    |           |              |           |              |                 |          | Ŀ            |          |          | $oxed{\Box}$ | $\Box$       | Į |          | 97          |          |          | Ш        | Ц           | _]       | _            | _        |          | Ц        | _        |     |                  | 47         | 1       | L            | L            | $\perp$  |          | Ĺ        | Ц               | Ш        | L        |
| $\vdash$     | 48    |           | _            | <u> </u>  |              |                 | <u> </u> | _            |          | _        | -            | _            | l | $\vdash$ | 98          | 4        | _        | $\dashv$ |             | _        |              | _        |          | 4        | -        | ŀ   | $\overline{}$    | 48         | +       | +            | ├-           | ╀        | _        | <u> </u> | $\vdash \mid$   | $\vdash$ | H        |
| $\vdash$     | 49    |           | -            | H         | -            | <u> </u>        | $\vdash$ | -            | $\vdash$ | ⊢        | $\vdash$     | ⊢            | { | $\vdash$ | 99<br>100   | $\dashv$ | -        |          | $\dashv$    | $\dashv$ |              | -        | -        |          | $\dashv$ | - } | <del>- [</del> 1 | 49<br>50   | +       | +-           | ╁            | ├-       | -        | H        | $\vdash \vdash$ | $\dashv$ | $\vdash$ |
| $\vdash$     | 136   | 7]        |              |           | Ш            | _               |          |              |          | <u> </u> | 1            | L            | J |          | .00         |          |          | ш        |             |          |              |          |          | 1        |          | L   | !'               | ~네_        |         | 1            |              | 1        |          |          | ш               |          |          |

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